

TOP SECRET



OAK
SUPPLEMENT

PHOTOGRAPHIC INTERPRETATION REPORT

NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

KH-4 MISSION III6

IPIR NUMBER 4

OAK SUPPLEMENT PART II

20 APRIL - 8 MAY 1972

**Handle via
Talent-Keyhole
Channels Only**

25X1C

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TCS-21249/72
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WARNING

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**TARGET CATEGORIES
AND
ASSOCIATED NTP FUNCTIONAL AREAS (CODES)**

1. STRATEGIC SSM

Deployed Strategic SSM Facilities (A)

2. MISSILE RANGES

Missile Ranges: Strategic SSM/Space Facilities (P)

Missile Ranges: Air-Launched Missile Facilities (Q)

Missile Ranges: Naval-Launched Missile Facilities (R)

Missile Ranges: Tactical SSM Facilities (S)

Missile Ranges: SAM/AMM Facilities (T)

3. AIR DEFENSE MISSILES

Deployed AMM Facilities (B)

Deployed SAM Facilities (D)

4. ELECTRONICS/COMMUNICATIONS

Deployed Communication/Electronic/Radar Facilities (C)

5. AIR

Air Base Facilities (E)

6. NAVAL

Naval Base Facilities (F)

7. GROUND

Ground Force Facilities (G)

8. TACTICAL SSM

Deployed Tactical SSM Facilities (H)

9. LOGISTICS

Military Logistics Facilities (K)

10. NUCLEAR ENERGY

Atomic Energy Facilities (O)

11. CBR

CBR Facilities (V)

12. INDUSTRY

Strategic Weapons Industrial Facilities (J)

General Purpose Weapons Industrial Facilities (L)

Non-Military Industrial Facilities (N)

Communication/Electronic/Radar R&D Facilities (U)

13. MISCELLANEOUS

Non-Military Logistics Facilities (M)

Miscellaneous/Unidentified Facilities (Z)

These thirteen target categories are compatible with the Functional Area of Imagery Interpretation established under the National Tasking Plan. To enhance the analysis of readout on operationally associated targets, each target is reported relative to its primary functional association (i.e. missile range tracking facilities are reported under "MISSILE RANGES," fly-away airfields at aircraft plants are reported under "INDUSTRY," airfield nuclear weapons storage facilities are reported under "AIR," etc.).

WARNING NOTICE
Sensitive Intelligence Sources
and Methods Involved.

CLASSIFIED BY: 55-0001
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TABLE OF CONTENTS

	PAGE
PREFACE	1
CHINA, COMMUNIST	
COMMO/ELEC/RADAR FACILITIES	2
AIR BASE FACILITIES	3
GROUND FORCE FACILITIES	5
LOGISTICS	7
NUCLEAR ENERGY	8
INDUSTRY	10
UNITED ARAB REPUBLIC	
INDUSTRY	12
KOREA, NORTH	
AIR DEFENSE MISSILES	13
AIR BASE FACILITIES	15
GROUND FORCE FACILITIES	16
MONGOLIA	
AIR BASE FACILITIES	17
PAKISTAN	
GROUND FORCE FACILITIES	18
POLAND	
COMMO/ELEC/RADAR FACILITIES	19
INDUSTRY	20
SOVIET UNION	
MISSILE RANGES	21
AIR DEFENSE MISSILES	22
AIR BASE FACILITIES	23
GROUND FORCE FACILITIES	25
NUCLEAR ENERGY	26
INDUSTRY	30
SOUTH-WEST AFRICA	
AIR BASE FACILITIES	35

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CONTROL SYSTEM ONLY

TCS-21249/72 - IPIR 4
KH-4 MISSION 1116

PREFACE

PREFACE

THIS IS THE SECOND AND FINAL OAK SUPPLEMENT REPORT ON MISSION
1116. FOR ADDITIONAL PREFACE DETAILS. SEE FIRST OAK SUPPLEMENT

Attachments

TOP SECRET RUFF

25X1C

		SAM DEPLOYMENT																										
		COUNTRY																										
		USSR*	ALBANIA	BULGARIA	CZECHOSLOVAKIA	EAST GERMANY	HUNGARY	POLAND	RUMANIA	YUGOSLAVIA	CHINA	MONGOLIA	NORTH KOREA	INDONESIA	EGYPT	SYRIA	CUBA**	INDIA	NORTH VIETNAM	AFGHANISTAN	LAOS	SUDAN	SOUTH VIETNAM	TOTALS**				
SAM sites	SA-1	56																							56	Confirmed		
	SA-2	1550	5	19	25	58	17	40	18	10	67	7	45												1861	Confirmed		
	SA-3	26									2		1												3	Probable		
	SA-4	407								1															45	Training		
	SA-5	3																							453	Confirmed		
	SA-6																								1	Possible		
SAM Support Facilities (SA-2 and SA-3)		234	1	5	6	11	4	8	3	2	1	2	7												284	Confirmed		
		3				2		1		1															7	Probable		
																										3	Possible	
																										1	Training	

*Includes dummy SA-2 and SA-3 sites, USSR

**Does not include abandoned sites

**Total reflects individual sites as of 15 July 1972

+SA-5 Complexes include Support Facilities.

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KH-4 MISSION 1116

CHINA, COMMUNIST
COMMO/ELEC/RADAR FACILITIES

25X1D

SIGNIFICANT RESULTS

25X1D

25X1D

PENG-LAI PROB AW RDR FAC

25X1A

37-49-[REDACTED]N 120-55-[REDACTED]E

STATUS: OCCUPIED

PHYSICAL DESCRIPTION:

8 NM EAST OF PENG-LAI ON THE YELLOW SEA COASTLINE. THE NEWLY IDENTIFIED FACILITY CONTAINS TWO OCCUPIED RADAR POSITIONS, TWO CONTROL BUILDINGS, AND ONE SUPPORT BUILDING. A SMALL SUPPORT AREA 300 METERS (984 FEET) SW OF THE RADAR POSITIONS CONTAINS FOUR PROBABLE BARRACKS AND FOUR STORAGE/SUPPORT BUILDINGS. THE RADARS WERE NOT PRESENT IN

25X1D

25X1D

TGT DIAM: 400 M (1,312 FT). ELEV: 30 M (100 FT).

25X1D

ELECTRONIC ORDER OF BATTLE:

1 POSS HEIGHT FINDER

1 RADAR

25X1D

IMAGE DERIVED COORDINATES:

25X1D

MAP SOURCE REFERENCE:

200-0381-14HL

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CHINA, COMMUNIST
AIR BASE FACILITIES

25X1D

SIGNIFICANT RESULTS

CHANG-CHI AIRFIELD

25X1D 25X1D
25X1A 43-57- [REDACTED] N 087-04- [REDACTED] E

25X1D STATUS:OPERATIONAL

AIR ORDER OF BATTLE:

1 707-TYPE AIRCRAFT 1 COLT
(CRASHED OFF SE RUNWAY END) 23 SMALL SWEPT-WING

25X1D

LUNG-YU AIRFIELD

25X1D 25X1A 29-06- [REDACTED] N 119-10- [REDACTED] E

25X1D STATUS:OPERATIONAL

PHYSICAL DESCRIPTION:

4.5 NM NORTH OF LUNG-YU.

THE NEWLY IDENTIFIED FACILITY CONSISTS OF A 2,001- X 32-METER (6,565- X 105-FOOT) NORTH/SOUTH SERVICEABLE CONCRETE RUNWAY, TWO CONCRETE ALERT APRONS, AND TWO AIRCRAFT DISPERSAL AREAS CONTAINING EIGHT REVETMENTS (ONE DISPERSAL AREA AT EACH END WITH FOUR REVETMENTS EACH). NO SERVICE OR SUPPORT FACILITIES ARE DISCERNIBLE. THE TAXIWAYS CONNECTING THE DISPERSAL AREAS WITH THE RUNWAY WERE STILL UNDER CONSTRUCTION.

25X1D TGT DIAM: 2,438 M (8,000 FT). ELEV: 275 M (900 FT).

AIR ORDER OF BATTLE:

25X1D NONE DISCERNIBLE

25X1D IMAGE DERIVED COORDINATES:

25X1D MAP SOURCE REFERENCE:
200-0493-20

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CHINA, COMMUNIST
AIR BASE FACILITIES

25X1D

25X1A

25X1D

25X1D

MA-HUI-LING AIRFIELD

29-29- [REDACTED] N 115-48- [REDACTED] E

STATUS: UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:

2.4 NM NORTH OF MA-HUI-LING.

THE NEWLY IDENTIFIED FACILITY WAS IN A VERY EARLY STAGE OF CONSTRUCTION WITH ONLY ENGINEERING SCARS AND SURVEY LINES FOR THE NE/SW RUNWAY PRESENT. FOUR CULVERTS WERE UNDER CONSTRUCTION ALIGNED ACROSS THE APPARENT CENTER LINE OF THE RUNWAY.

CONSTRUCTION SUPPORT AREAS ADJACENT TO THE AIRFIELD ARE LOCATED SE (28 BUILDINGS), WEST (37 BUILDINGS), EAST (TEN BUILDINGS), NW (SEVEN BUILDINGS), AND NORTH (17 BUILDINGS).

25X1D TGT DIAM: 2,438 M (8,000 FT). ELEV: 91 M (300 FT).

IMAGE DERIVED COORDINATES:

MAP SOURCE REFERENCE:
200-0493-17HL

25X1D

25X1C

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KH-4 MISSION 1116

CHINA, COMMUNIST
GROUND FORCE FACILITIES

25X1D

SIGNIFICANT RESULTS

25X1A

25X1D

25X1D

WU-LU-MU-CHI ARMOR INSTLN AL 1

43-28- [REDACTED] N 087-17- [REDACTED] E

STATUS: UNKNOWN

REMARKS:

AT LEAST SIX TUNNEL/REVETMENTS ARE ADJACENT TO THE POL SUPPORT AREA.

25X1D

GROUND FORCE ORDER OF BATTLE:

[REDACTED]
NONE DISCERNIBLE

25X1D

WU-LU-MU-CHI ARMY BARRACKS AL 7

25X1D

25X1D

43-48- [REDACTED] N 087-40- [REDACTED] E

25X1D

STATUS: OCCUPIED

25X1D

GROUND FORCE ORDER OF BATTLE:

25 VEHICLES (AT LEAST)

25X1D

WU-LU-MU-CHI ARMY BKS AL 20

25X1D

25X1D

43-41- [REDACTED] N 087-46- [REDACTED] E

STATUS: OCCUPIED

25X1D

GROUND FORCE ORDER OF BATTLE:

10 POSS FA PIECES (AT
LEAST)
60 TRUCKS (AT LEAST)

40 VEHICLES/PIECES OF EQUIP
(AT LEAST)

25X1D

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25X1C

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CHINA, COMMUNIST
GROUND FORCE FACILITIES

25X1D

WU-LU-MU-CHI ARMY BKS AL 22

25X1D

25X1D

25X1A 43-30- [REDACTED] N 087-10- [REDACTED] E

STATUS: OCCUPIED

25X1D

GROUND FORCE ORDER OF BATTLE:

[REDACTED]
15 POSS CARGO TRUCKS

25X1D

WU-SHA-TA-LA ARMY BARRACKS AL 4

25X1D

25X1D

25X1A 42-12- [REDACTED] N 087-18- [REDACTED] E

STATUS: OCCUPIED

GROUND FORCE ORDER OF BATTLE:

25X1D

10 VEHICLES (AT LEAST)

25X1D

25X1C

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CHINA, COMMUNIST
LOGISTICS

SIGNIFICANT RESULTS

25X1D

TU-LU-FAN TRANSSHIPMENT DEPOT

25X1D

25X1D

25X1A 43-09- [REDACTED] N 088-52- [REDACTED] E

25X1D STATUS:OPERATIONAL

25X1D ASSOCIATED OBJECTS:

25X1D 25 PIECES OF ROLLING STOCK
(AT LEAST)

5.

4

Next 1 Page(s) In Document Exempt

25X1C

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CHINA, COMMUNIST
INDUSTRY

25X1D

SIGNIFICANT RESULTS

KUANG-CHI SHIPYARD

25X1D

25X1D

25X1A 29-49- [REDACTED] N 115-30- [REDACTED] E

STATUS: UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:

25X1D

2.5 NM SW OF KUANG-CHI AND 26.5 NM WNW OF CHIU-CHIANG.
THIS IS AN UPDATED DESCRIPTION. THE FACILITY CONSISTS OF ONE
LARGE CONSTRUCTION HALL, COVERED BUT OPEN-SIDED, WHICH MEASURES
[REDACTED] AND HAS TWO FOUR-TRACK
PROBABLE BUILDINGWAYS. IN ADDITION, THERE ARE 11 PROBABLE
SUBASSEMBLY BUILDINGS, FOUR PROBABLE STORAGE BUILDINGS, AND ONE
BUILDING UNDER CONSTRUCTION. TO THE SW, ADJACENT TO THE
CONSTRUCTION HALL, ARE TWO PROBABLE STORAGE BUILDINGS AND THREE
BUILDINGS UNDER CONSTRUCTION. A CANAL, APPROXIMATELY 198 X 54
METERS (651 X 177 FEET), WAS UNDER CONSTRUCTION LINKING THE
CHANG-CHIANG (YANGTZE RIVER) WITH THE LAKE IMMEDIATELY WEST OF
THE CONSTRUCTION HALL. ONE FINGER PIER [REDACTED]

25X1D

[REDACTED] IS ON THE LAKE. ONE OFFSHORE PIER AND ONE
FLOATING WHARF ARE ON THE CHANG-CHIANG. THREE CONSTRUCTION
SUPPORT AREAS WITH APPROXIMATELY 150 BUILDINGS ARE SCATTERED
THROUGHOUT THE AREA. DREDGING WAS CONTINUING IN THE LAKE, AND
SOME ACTIVITY WAS OBSERVED IN THE CANAL AREA UNDER CONSTRUCTION.
CONSTRUCTION MATERIALS WERE THROUGHOUT THE FACILITY

25X1D

NAVAL ORDER OF BATTLE:

25X1D

1 DREDGE

ASSOCIATED OBJECTS:

25X1D

4 POSS TRUCKS

25X1D

25X1D

25X1D

25X1D

NAN-CHANG AIRFRAME PLT 320

25X1A 28-37- [REDACTED] N 115-55- [REDACTED] E

STATUS: OPERATIONAL

25X1D

ASSOCIATED OBJECTS:

[REDACTED] -- AT THE PLANT
94 SINO A
1 PROB SINO A

26 CC-6

25X1C

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CHINA, COMMUNIST
INDUSTRY

25X2

25X1D

25X1A

25X1D

25X1D

NAN-CHANG NEW AFLD

28-38- [REDACTED] N 115-55- [REDACTED] E

STATUS:OPERATIONAL

REMARKS:

25X1A FOR AIRCRAFT COUNT, SEE NAN-CHANG AIRFRAME PLANT 320 (BE

25X1D

25X1D 25X1A 25X1D

TAI-YUAN RADAR A COMPUTER PLT 785

37-51- [REDACTED] N 112-29- [REDACTED] E

25X1D

STATUS:OPERATIONAL

25X1D

ASSOCIATED OBJECTS:

-- IN THE MOTOR POOL
80 VEHICLES/PIECES OF EQUIP
(AT LEAST)

25X1D

25X1C

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UNITED ARAB REPUBLIC
INDUSTRY

25X1D

SIGNIFICANT RESULTS

25X1D

25X1D

AL QAHIYAH AIRFRAME PLT HELWAN 36

25X1A

29-49-[REDACTED] 031-19-[REDACTED] E

25X1D

STATUS:OPERATIONAL

25X1D

ASSOCIATED OBJECTS:

[REDACTED] -- AT NEW PLANT

4 SMALL SWEPT/DELTA-WING
(AT LEAST)

3 MEDIUM STRAIGHT-WING
2 MEDIUM HELICOPTERS

25X1D

[REDACTED] -- AT OLD PLANT

25X1D

12 SMALL STRAIGHT-WING (AT
LEAST)

[REDACTED] -- AT AIRFIELD

25X1D

3 MEDIUM HELICOPTERS

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25X1C

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KOREA, NORTH
AIR DEFENSE MISSILES

25X1D

SIGNIFICANT RESULTS

25X1A

25X1D

25X1D

HUNGNAM SAM SITE A25-2

39-48- [REDACTED] N 127-32- [REDACTED] E

25X1D

STATUS:UNOCCUPIED

25X1D

REMARKS:

THIS IS THE FIRST TIME THIS SITE HAS BEEN OBSERVED UNOCCUPIED
SINCE EARLY [REDACTED]

25X1D

25X1A

25X1D

25X1D

25X1D KANGGYE SAM SITE A09-2

40-58- [REDACTED] N 126-37- [REDACTED] E

STATUS:OCCUPIED

PHYSICAL DESCRIPTION:

ON THE EAST EDGE OF KANGGYE, 19 NM SE OF THE NORTH KOREA/CHINA
BORDER AT MANPO-UP.

THE NEWLY IDENTIFIED FACILITY CONSISTS OF FOUR REVETTED LAUNCH
POSITIONS, TWO PROBABLE LAUNCH POSITIONS, AND A CENTRAL
GUIDANCE AREA CONSISTING OF A PROBABLE VAN BUILDING AND A
PROBABLY REVETTED RADAR POSITION. NO SUPPORT FACILITIES WERE
OBSERVED.

25X1D

THE SITE WAS NOT PRESENT ON [REDACTED]

25X1D

TGT DIAM: 305 M (1,000 FT). ELEV: 457 M (1,500 FT).

MISSILE ORDER OF BATTLE:

4 POSS SA-2 LAUNCHERS

ELECTRONIC ORDER OF BATTLE:

25X1D

1 POSS FAN SONG

IMAGE DERIVED COORDINATES:

25X1D

MAP SOURCE REFERENCE:

200-0290-18

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KOREA, NORTH
AIR DEFENSE MISSILES

25X1D

25X1D

25X1A

25X1D

25X1D

PYONGYANG SAM SITE C05-2

39-15-[REDACTED] N 126-06-[REDACTED] E

STATUS: UNKNOWN

REMARKS:

FIVE LAUNCH POSITIONS AND THE CENTRAL GUIDANCE AREA WERE UNOCCUPIED. ONE LAUNCH POSITION CONTAINED AN UNIDENTIFIED OBJECT.

25X1D MISSILE ORDER OF BATTLE:

[REDACTED]
NONE DISCERNIBLE

25X1D ASSOCIATED OBJECTS:

[REDACTED]
1 UNID OBJECT

25X1D

25X1C
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KOREA, NORTH
AIR BASE FACILITIES

25X1D

SIGNIFICANT RESULTS

25X1A

25X1D

25X1D

KOKSAN AIRFIELD

38-41-[REDACTED] N 126-36-[REDACTED] E

* STATUS: UNDER CONSTRUCTION

REMARKS:

25X1D THE RUNWAY APPEARED TO BE INTERDICITED IN THREE PLACES BY SMALL
PILES OF CONSTRUCTION MATERIAL. THE PARALLEL TAXIWAY APPEARED
TO BE INTERDICITED IN FOUR PLACES BY PILES OF CONSTRUCTION
MATERIAL. CONSTRUCTION WAS CONTINUING ON THE TUNNELS.

AIR ORDER OF BATTLE:

25X1D NONE DISCERNIBLE

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KOREA, NORTH
GROUND FORCE FACILITIES

25X1D

SIGNIFICANT RESULTS

25X1A

25X1D

25X1D

NUCHON-NI MILITARY INSTALLATION

38-08-■ N 126-13-■ E

STATUS: OCCUPIED

PHYSICAL DESCRIPTION:

6.1 NM SW OF NUCHON-NI.

THIS IS THE FIRST TIME THIS INSTALLATION HAS BEEN COVERED BY PHOTOGRAPHY OF THIS SCALE AND RESOLUTION. THE ROAD-SERVED INSTALLATION CONSISTS OF THREE AREAS.

25X1D

AREA A, AT 38-08-■ N 126-13-■ E, CONTAINS SEVEN BARRACKS, ONE ADMINISTRATION BUILDING, ONE MESSHALL, THREE VEHICLE SHEDS, FOUR STORAGE/SUPPORT BUILDINGS, AND NINE WEAPONS POSITIONS.

25X1D

AREA B, AT 38-08-■ N 126-13-■ E, CONTAINS THREE BARRACKS, FOUR SUPPORT BUILDINGS, AND EIGHT WEAPONS POSITIONS.

25X1D

AREA C, AT 38-08-■ N 126-12-■ E, CONTAINS THREE BARRACKS, ONE ADMINISTRATION BUILDING, ONE L-SHAPED MESSHALL, FOUR VEHICLE SHEDS, 24 STORAGE/SUPPORT BUILDINGS, AND FOUR TUNNEL ENTRANCES.

25X1D

GROUND FORCE ORDER OF BATTLE:

25X1D

4 PROB TANKS/ASSAULT GUNS 7 PROB VEHICLES
3 POSS TRACKED VEHICLES

25X1D

25X1C
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KH-4 MISSION 1116

MONGOLIA
AIR BASE FACILITIES

25X1D

SIGNIFICANT RESULTS

25X1A

25X1D

25X1D

SUMBER SUMA AIRFIELD

46-33-[REDACTED] N 108-19-[REDACTED] E

STATUS:OPERATIONAL

REMARKS:

CONSTRUCTION HAD BEGUN ON 16 ADDITIONAL HANGARETTES, BRINGING THE TOTAL NUMBER OF HANGARETTES AT THIS AIRFIELD TO 14 COMPLETED AND 35 UNDER CONSTRUCTION.

25X1D

AIR ORDER OF BATTLE:

11 POSS FISHBED
2 COLT

1 PROB MEDIUM HELICOPTER

25X1D

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PAKISTAN
GROUND FORCE FACILITIES

SIGNIFICANT RESULTS

25X1D

KARACHI ORD + QM DPO E DRIGH RD

25X1A

24-53- [REDACTED] N 067-07- [REDACTED] E

25X1D

25X1D

STATUS: OCCUPIED

REMARKS:

25X1D

SMALL SCALE AND POOR RESOLUTION PRECLUDES A DETAILED
INTERPRETATION. HOWEVER, ACTIVITY APPEARS AT APPROXIMATELY THE
LEVEL OF [REDACTED]

25X1D

GROUND FORCE ORDER OF BATTLE:

75 POSS VEHICLES/PIECES OF
EQUIP (APPROXIMATELY)

25X1D

25X1C
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KH-4 MISSION 1116

POLAND
COMMO/ELEC/RADAR FACILITIES

SIGNIFICANT RESULTS

25X1D

GABIN RADIO BROADCAST STATION

25X1A

25X1D

25X1D

52-22- [REDACTED] N 019-48- [REDACTED] E

STATUS: UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:

3 NM SE OF GABIN.

THIS NEWLY IDENTIFIED RADIO BROADCAST STATION CONSISTS OF ONE VERTICAL RADIATOR AND ONE CONTROL BUILDING UNDER CONSTRUCTION, AND TWO SUPPORT BUILDINGS. PROBABLE CONSTRUCTION VANS AND EQUIPMENT WERE IN THE AREA.

25X1D

IMAGE DERIVED COORDINATES:

25X1D

MAP SOURCE REFERENCE:

200-0169-25

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POLAND
INDUSTRY

SIGNIFICANT RESULTS

25X1D

MIELEC AIRFRAME PLANT WSK

25X1D

25X1D

25X1A 50-18-[REDACTED] N 021-27-[REDACTED] E

25X1D

STATUS:OPERATIONAL

25X1D

ASSOCIATED OBJECTS:

[REDACTED] -- AT THE PLANT

3 PROB COLT
1 SMALL STRAIGHT-WING

2 PROB COLT FUSELAGE
NUMEROUS SHIPPING CRATES

25X1D

[REDACTED] -- AT THE AIRFIELD

35 PROB COLT
12 SMALL STRAIGHT-WING

4 SAILPLANES

25X1D

[REDACTED]
NUMEROUS SHIPPING CRATES --
AT THE AIRFIELD

25X1D

25X1C
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SOVIET UNION
MISSILE RANGES

25X1D SIGNIFICANT RESULTS 25X1D 25X1D
KAPUSTIN YAR POSS INSTR FAC 2 25X1A 48-21- N 049-18- E
25X1D STATUS: UNKNOWN 25X1D
25X1D PHYSICAL DESCRIPTION:
A POSSIBLE INSTRUMENTATION FACILITY WAS OBSERVED APPROXIMATELY
7.5 NM WEST OF THE REFERENCED COORDINATES ON [REDACTED]
[REDACTED], THE CORRECT APPROXIMATE LOCATION OF THE FACILITY IS
48-20- N 049-07- E, 23 NM WNW OF KY/TEREKTY TRACKING FACILITY
25X1A 25X1D
25X1D WHEN SEEN ON [REDACTED] THE FACILITY CONTAINED ONE POSSIBLE 25X1D
STRUCTURE, TWO TRUCKS, TWO SMALL VAN TRAILERS, AND
APPROXIMATELY FOUR OTHER VEHICLES/PIECES OF EQUIPMENT. NO
EVIDENCE THAT THE LOCATION WAS OCCUPIED WAS OBSERVED ON [REDACTED]
25X1D [REDACTED]

25X1C
HANDLE VIA
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CONTROL SYSTEM ONLY

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KH-4 MISSION 1116

SOVIET UNION
AIR DEFENSE MISSILES

25X1D

SIGNIFICANT RESULTS

25X1D

25X1D

RIGA SAM COMPLEX A20-5

25X1A

56-49- [REDACTED] N 024-02- [REDACTED] E

STATUS: OPERATIONAL

REMARKS:

ALL THREE LAUNCH SITES AND THE THREE SQUARE PAIR RADAR MOUNDS
WERE OCCUPIED FOR THE FIRST TIME.

25X1D

MISSILE ORDER OF BATTLE:

[REDACTED]
18 PROB SA-5 LAUNCHERS

25X1D

ELECTRONIC ORDER OF BATTLE:

[REDACTED]
3 PROB SQUARE PAIR RADARS

25X1D

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25X1C

SOVIET UNION
AIR BASE FACILITIES

25X1D

SIGNIFICANT RESULTS

25X1A

25X1D

25X1D

NIZHNE-VARTOVSKIY AIRFIELD NW

60-56- [REDACTED] N 076-32- [REDACTED] E

STATUS:OPERATIONAL

PHYSICAL DESCRIPTION:

2 NM NW OF NIZHNEVARTOVSKIY.

THIS NEWLY IDENTIFIED AIRFIELD CONSISTS OF A 2,012- X 38-M (6,600- X 125-FT) NE/SW HARD-SURFACED RUNWAY WITH A TURNAROUND AT EACH END. THE RUNWAY IS CONNECTED TO THE TERMINAL PARKING AREA BY A HARD-SURFACED TAXIWAY.

ADDITIONAL FACILITIES CONSIST OF 28 HARD-SURFACED HELICOPTER PADS, A TERMINAL WITH A CONTROL TOWER, AND AN OPERATIONS BUILDING.

THE HOUSING AND SUPPORT AREA CONSISTS OF SIX SINGLE-STORY FAMILY DWELLINGS, TEN SUPPORT BUILDINGS, AND A POL STORAGE AREA CONSISTING OF AT LEAST TEN HORIZONTAL POL TANKS. THE ILS IS JUST OFF OF THE NE END OF THE RUNWAY.

TGT DIAM: 2,012 M (6,600 FT). ELEV: 31 M (100 FT).

25X1D

AIR ORDER OF BATTLE:

2 LIGHT STRAIGHT-WING
1 PROB HOUND

6 HELICOPTERS

25X1D

IMAGE DERIVED COORDINATES:

25X1D

MAP SOURCE REFERENCE:
200-0099-19A

25X1A

25X1D

25X1D

25X1D

NOVOSIBIRSK NORTHEAST AFLD

55-05- [REDACTED] N 082-59- [REDACTED] E

STATUS:OPERATIONAL

25X1D

REMARKS:

CONSTRUCTION ACTIVITY CONTINUED IN THE AREA ADJACENT TO THE SUPPORT AIRCRAFT PARKING APRON, FIRST SEEN IN

25X1C

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SOVIET UNION
AIR BASE FACILITIES

25X1D IT NOW CONSISTS OF AN H-SHAPED BUILDING IN THE LATE STAGES OF CONSTRUCTION, TWO BUILDINGS AT MIDSTAGE OF CONSTRUCTION AND AN EXCAVATION FOR ANOTHER BUILDING.

ASSOCIATED OBJECTS:

--- AT THE PLANT

12 FLAGON	1 CAMP
4 POSS FLAGON	1 CAB
1 POSS DELTA/SWEPT-WING	2 SMALL STRAIGHT-WING
1 CAT/CUB	1 CAB FUSELAGE

25X1D

25X1D

25X1D

TALDY KURGAN AIRFIELD NORTHEAST

45-07- [REDACTED] N 078-27- [REDACTED] E

25X1D

25X1A

STATUS:OPERATIONAL

REMARKS:

25X1D

FORTY-ONE FRESCO AND FIVE MIDGET WERE PRESENT AT THE FIELD WHEN IT WAS LAST OBSERVED ON [REDACTED]

25X1D

AIR ORDER OF BATTLE:

1 COKE
1 CLOD

11 FAGOT/FRESCO/MIDGET
9 POSS AIRCRAFT

25X1D

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25X1C

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SOVIET UNION
GROUND FORCE FACILITIES

25X1D

SIGNIFICANT RESULTS

25X1D

25X1D

NAKHODKA MILITARY SUPPLY DEPOT DX 1

25X1A 42-50- [REDACTED] N 132-55- [REDACTED] E

STATUS: OCCUPIED

REMARKS:

NUMEROUS STACKS OF EQUIPMENT WERE IN OPEN STORAGE.

25X1D

25

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OP: SECRET RUFF

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Next 3 Page(s) In Document Exempt

25X1C
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SOVIET UNION
INDUSTRY

25X1D

SIGNIFICANT RESULTS

25X1A
25X1D

25X1D

FAUSTOVO ROCKET ENGINE TEST FACILITY

55-27- [REDACTED] N 038-31- [REDACTED] E

STATUS:OPERATIONAL

REMARKS:

UNIDENTIFIED CONSTRUCTION WAS NEWLY OBSERVED IN A CLEARED AREA
IN THE NE CORNER OF THE MISSILE PROPULSION TEST AREA.

25X1D

25X1A
25X1D

KAZAN AIRFRAME PLANT B-387

55-51- [REDACTED] N 049-02- [REDACTED] E

STATUS:OPERATIONAL

REMARKS:

TWO NEW HARDSTANDS WERE OBSERVED AT THE AIRFIELD. BOTH
HARDSTANDS WERE UNDER CONSTRUCTION AND WERE APPROXIMATELY 50
PERCENT COMPLETE.

25X1D

ASSOCIATED OBJECTS:

[REDACTED] -- AT THE PLANT
45 MEDIUM HELICOPTERS
10 FUSELAGE SHIPPING CRATES
(AT LEAST)

25X1D

25X1D
25X1D

KIYEV AIRFRAME PLT 473

50-27- [REDACTED] N 030-23- [REDACTED] E

25X1D

STATUS:OPERATIONAL

ASSOCIATED OBJECTS:

[REDACTED] -- AT THE PLANT
15 COKE

25X1D

[REDACTED] -- AT THE AIRFIELD

25X1D

2 COCK
3 COKE

1 COLT

25X1D

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SOVIET UNION
INDUSTRY

25X1D 1 SMALL STRAIGHT-WING

25X1D

25X1D → KUYBYSHEV AC COMP A MSL COMP PLT 207

25X1D

53-18- [REDACTED] N 050-17- [REDACTED] E

STATUS:OPERATIONAL

REMARKS:

25X1D THE FABRICATION BUILDING FIRST OBSERVED UNDER CONSTRUCTION IN [REDACTED] WAS EXTERNALLY COMPLETE. ACCESS ROADS TO THE BUILDING HAD NOT BEEN COMPLETED, HOWEVER, AND THE BUILDING WAS STILL OUTSIDE THE PLANT WALL, INDICATING IT HAS NOT YET REACHED OPERATIONAL STATUS.

25X1D

25X1D

25X1D KUYBYSHEV AIRFRAME PLT LENIN 18

25X1D

53-13- [REDACTED] N 050-18- [REDACTED] E

STATUS:OPERATIONAL

REMARKS:

25X1D FOOTINGS WERE OBSERVED FOR THE FIRST TIME ON THE NORTH SIDE OF THE RUN-UP REVETMENT. TWO WAREHOUSES WERE RAZED IN THIS AREA TO MAKE ROOM FOR THE NEW CONSTRUCTION. THE CONSTRUCTION ACTIVITY IS SITUATED DIRECTLY OPPOSITE THE FINAL ASSEMBLY HALL AND IS APPROXIMATELY AS WIDE AS THE HALL. THE AREA IS SEPARATELY SECURED. AN ADMINISTRATION BUILDING, FIRST OBSERVED UNDER CONSTRUCTION IN [REDACTED] NEAR THE MAIN PARKING APRON, IS NOW COMPLETE. A WAREHOUSE WEST OF THE FUEL MIX/BLEND BUILDING, FIRST OBSERVED UNDER CONSTRUCTION IN [REDACTED] IS NOW COMPLETE.

25X1D

25X1D

ASSOCIATED OBJECTS:

25X1D

2 BEAR	4 CRATE
1 PROB BEAR ASW	2 CLOD
1 CARELESS	6 CAB
2 CAT/CUB	1 COLT
2 COKE	

25X1C
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SOVIET UNION
INDUSTRY

25X1D

MOSCOW/LYUBERTSY AFLD

25X1A

25X1D

25X1D

55-41- [REDACTED] N 037-51- [REDACTED] E

STATUS:OPERATIONAL

25X1D

ASSOCIATED OBJECTS:

[REDACTED] -- IN MAINTENANCE/REPAIR AREA

1 BADGER 7 CRATE
1 BEAGLE 2 MEDIUM HELICOPTERS
1 CAT/CUB

25X1D

[REDACTED] -- IN MIL AREA

2 HOOK 8 MEDIUM HELICOPTERS
5 HOOK/HARKE

25X1D

[REDACTED] -- IN KAMOV AREA

3 SMALL HELICOPTERS

25X1D

[REDACTED] -- IN MAINTENANCE/REPAIR AREA

1 BADGER 4 CRATE
1 BEAGLE 5 MEDIUM HELICOPTERS
2 CAT/CUB

25X1D

[REDACTED] -- IN MIL AREA

3 HOOK 6 MEDIUM HELICOPTERS
6 HOOK/HARKE

25X1D

[REDACTED] -- KAMOV AREA

4 SMALL HELICOPTERS

25X1D

MOSKVA AC ENGINE PLANT 45

25X1A

25X1D

25X1D

55-46- [REDACTED] N 037-43- [REDACTED] E

25X1D

STATUS:OPERATIONAL

25X1D

REMARKS:

FOOTINGS FOR A LARGE BUILDING WERE OBSERVED IN THE NE PART OF
THE PLANT WHERE THE TWO LARGE EXCAVATIONS WERE OBSERVED IN [REDACTED]

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25X1C

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25X1D

SOVIET UNION
INDUSTRY

25X1D

25X1D

25X1D

MOSKVA AIRFRAME PLANT 30

55-47- [REDACTED] N 037-32- [REDACTED] E

25X1D

STATUS:OPERATIONAL

ASSOCIATED OBJECTS:

[REDACTED] -- AT THE PLANT
1 SMALL SWEPT-WING

1 COOT

25X1D

[REDACTED] -- AT THE AIRFIELD

1 CRATE
2 SMALL STRAIGHT-WING

4 MEDIUM HELICOPTERS

25X1D

PETROKREPOST EXPL + SLD MTR P MOROZOV

59-59- [REDACTED] N 030-59- [REDACTED] E

25X1D

STATUS:OPERATIONAL

25X1D

REMARKS:

TWO BUILDINGS IN THE ROCKET MOTOR PRODUCTION AREA, FIRST OBSERVED UNDER CONSTRUCTION IN [REDACTED] AND IDENTIFIED AS POSSIBLE INERT OPERATIONS BUILDINGS ARE NOW COMPLETE. HOWEVER, THE FACT THAT BOTH BUILDINGS HAVE BEEN SURROUNDED BY HIGH EARTHEN BARRICADES INDICATES THEY WILL PROBABLY BE USED FOR SOME FORM OF PROPELLANT PROCESSING. THE ABSENCE OF A COMPLETED ACCESS ROAD TO BOTH BUILDINGS INDICATES NEITHER BUILDING IS OPERATIONAL. A RECENTLY COMPLETED BUILDING IN THE PROBABLE DOUBLE-BASE PRODUCTION AREA, PREVIOUSLY REPORTED AS A ROLLING AND EXTRUSION BUILDING IN [REDACTED] NOW APPEARS TO BE A PROBABLE DOUBLE-BASE PROCESSING BUILDING. TWO NEWLY COMPLETED BUILDINGS IN THE SAME AREA WILL PROBABLY SERVE A SIMILAR FUNCTION. IN THE NITROGLYCERINE PRODUCTION AREA, THE MODIFICATION OF A UNIDENTIFIED SMALL CONVEYOR-SERVED BARRICADED BUILDING FIRST OBSERVED IN [REDACTED] WAS NEARING COMPLETION.

25X1D

25X1D

25X1C

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SOVIET UNION
INDUSTRY

25X1D

25X1A

25X1D

25X1D

RAMENSKOYE CENT AEROHYDRODYNAMIC INST

55-35- [REDACTED] N 038-06- [REDACTED] E

STATUS:OPERATIONAL

REMARKS:

SPHERICAL TANKS, NUMBERS 24, 25, 26, 27, AND 28, HAVE BEEN
COMPLETED IN THE LARGE TANK FARM UNDER CONSTRUCTION IN THE
NORTHERN AREA OF THE INSTITUTE. THE CIRCULAR SUPPORTS FOR
TANKS, NUMBERS 29, 30, AND 31 ARE COMPLETE. THE LARGE TANK ON
THE EAST SIDE OF THE LARGE BUILDING LOCATED DUE EAST OF THE NEW
TANK FARM, OBSERVED UNDER CONSTRUCTION IN [REDACTED]
APPEARED COMPLETE.

25X1D

25X1D

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SOUTH-WEST AFRICA
AIR BASE FACILITIES

25X1D

SIGNIFICANT RESULTS

25X1A

25X1D

25X1D

SPES BONA AIRFIELD

21-50-[REDACTED] S 015-54-[REDACTED] E

STATUS:OPERATIONAL

PHYSICAL DESCRIPTION:

7 NM NNE OF KARIBIB.

25X1D

THIS NEWLY IDENTIFIED AIRFIELD CONSISTS OF A [REDACTED]

[REDACTED] N/S SERVICEABLE BLACKTOP RUNWAY, WITH A

PARALLEL N/S SERVICEABLE BLACKTOP TAXIWAY CONNECTED TO IT BY
TWO END-CONNECTING AND TWO CROSSOVER LINKS. THERE IS ALSO A

[REDACTED] E/W SERVICEABLE

GRADED-EARTH/GRAVEL RUNWAY. THE RP IS THE CENTER OF THE N/S
RUNWAY. A HARDENED PARKING AREA IS LOCATED AT THE CENTER OF
THE N/S RUNWAY AND A TURNAROUND AREA IS LOCATED AT THE EAST END
OF THE E/W RUNWAY. THE OPERATIONS/TERMINAL BUILDING IS LOCATED
AT THE PARKING AREA AT THE CENTER OF THE N/S RUNWAY. GROUND
SCARRING MAY INDICATE POSSIBLE POSITIONING OF HARDSTANDS OR
SUPPORT FACILITIES. THE AIRFIELD IS SECURED BY A SINGLE
IRREGULAR FENCE.

25X1D

AIR ORDER OF BATTLE:

[REDACTED]
NONE PRESENT

25X1D

IMAGE DERIVED COORDINATES:

25X1D

MAP SOURCE REFERENCE:
ONC P-3

WWIPR CODES

<u>Status (STA:)</u>	<u>OB</u>	<u>Interpretability</u>
NEG - Negated	MIS: Missiles	E - Excellent
UCO - Under Const	AOB: Air	G - Good
COM - Complete	NVL: Naval	F - Fair
UKN - Unknown	GFW: Grd Force	P - Poor
NOP - Not Oprtl	ELC: Electronic	<u>Conditions</u>
OPR - Operat'l	AAA: Antiair	
OCC - Occupied	OBJ: Assoc Objs	
UNP - Unoccupied	<u>Mode</u>	
ABN - Abandoned	W - Stereo/Blk & White	HC - Heavy Cloud
RMV - Removed	P - Part Stereo/ Blk & White	HA - Haze
TRN - Transitory	B - Mono Blk & White	SN - Snow
DMG - Damaged	S - Stereo/Color	SH - Shadow
DST - Destroyed	A - Part Stereo/ Color	OL - Obliquity
<u>General</u>		
IMR: Image Ref (Photo Ref)	C - Mono Color	SD - Semi-darkness
DES: Description	D - Camouflage Detection	HD - Heavy Dust/ Smoke
RMK: Remarks	F - Infrared	<u>Coverage</u>
IDC: Image Derived Coord.	R - Radar	
MPR: Map Ref	N - Nonstandard	
DFC: Defenses/ Security	V - Vertical	

25X1C
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TOP SECRET

25X1C

TOP SECRET

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10008-3